

Title (en)

Packet multiplexing using a dynamic buffer delay timer

Title (de)

Multiplexen von Paketen unter Benutzung eines dynamischen Verzögerungstimers für den Pufferspeicher

Title (fr)

Multiplexage de paquets utilisant un tampon avec une minuterie dynamique

Publication

EP 1168757 A1 20020102 (EN)

Application

EP 00850112 A 20000620

Priority

EP 00850112 A 20000620

Abstract (en)

In a method and a system for multiplexing packets into a single packet, in particular an RTP packet, the transmission and queuing delay of the core network over which the single packet is to be transmitted is estimated. The timer time controlling the multiplexing process is then set dynamically based upon values obtained in the estimation. Thus, the bandwidth efficiency is optimised in the RTP multiplexing without jeopardising the delay performance of the core network using a dynamically updates timer value to control the multiplexing process. <IMAGE>

IPC 1-7

H04L 29/06; **H04L 12/64**

IPC 8 full level

H04J 3/24 (2006.01); **H04L 29/06** (2006.01); **H04M 7/00** (2006.01)

CPC (source: EP)

H04J 3/247 (2013.01); **H04L 65/65** (2022.05); **H04L 65/80** (2013.01); **H04M 7/006** (2013.01)

Citation (search report)

- [E] WO 0041527 A2 20000720 - NOKIA INTERNET COMMUNICATIONS [US]
- [DA] B SUBBIAH ET AL: "User Multiplexing in RTP payload between IP Telephony Gateways", XP002127741
- [A] HOSHI T ET AL: "VOICE STREAM MULTIPLEXING BETWEEN IP TELEPHONY GATEWAYS", IEICE TRANSACTIONS ON INFORMATION AND SYSTEMS, INSTITUTE OF ELECTRONICS INFORMATION AND COMM. ENG. TOKYO, JP, vol. E82-D, no. 4, April 1999 (1999-04-01), pages 838 - 845, XP000832566, ISSN: 0916-8532

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